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NEWS	3	JUL 02	SCISEARCH enhanced with complete author names
NEWS	4	JUL 02	CHEMCATS accession numbers revised
NEWS	5	JUL 02	CA/CAPplus enhanced with utility model patents from China
NEWS	6	JUL 16	CAPplus enhanced with French and German abstracts
NEWS	7	JUL 18	CA/CAPplus patent coverage enhanced
NEWS	8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	9	JUL 30	USGENE now available on STN
NEWS	10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	11	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	12	AUG 13	CA/CAPplus enhanced with additional kind codes for granted patents
NEWS	13	AUG 20	CA/CAPplus enhanced with CAS indexing in pre-1907 records
NEWS	14	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	15	AUG 27	USPATOLD now available on STN
NEWS	16	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	17	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	18	SEP 13	FORIS renamed to SOFIS
NEWS	19	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	20	SEP 17	CA/CAPplus enhanced with printed CA page images from 1967-1998
NEWS	21	SEP 17	CAPplus coverage extended to include traditional medicine patents
NEWS	22	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	23	OCT 02	CA/CAPplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	24	OCT 19	BEILSTEIN updated with new compounds
NEWS	25	NOV 15	Derwent Indian patent publication number format enhanced
NEWS EXPRESS	19	SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.	
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E2	7	INAKI/PA
E3	15 -->	INALCO/PA
E4	15	INALCO S P A/PA
E5	15	INALCO S P A ITALY/PA
E6	1	INALDO/PA
E7	1	INALDO CAMARA FERREIRA DE PAULA/PA
E8	1	INALDO CAMARA FERREIRA DE PAULA BRAZIL/PA

E9 3 INALET/PA
 E10 1 INALFA/PA
 E11 1 INALFA INDUSTRIES B V/PA
 E12 1 INALFA INDUSTRIES B V NETH/PA

=> s e3-e5

15 INALCO/PA
 15 "INALCO S P A"/PA
 15 "INALCO S P A ITALY"/PA
 L1 15 (INALCO/PA OR "INALCO S P A"/PA OR "INALCO S P A ITALY"/PA)

=> d l1 1-15 ibib abs

L1 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:429422 CAPLUS

DOCUMENT NUMBER: 142:463961

TITLE: Process for the preparation of 1-chloro-3,5-di-O-acyl-2-deoxy-L-ribofuranoside derivatives from 2-deoxy-D-galactose via stereoselective chlorination reaction

INVENTOR(S): Tamerlani, Giancarlo; Bartalucci, Debora; Salsini, Liana; Rapaccini, Silvia

PATENT ASSIGNEE(S): Inalco S.p.A., Italy

SOURCE: PCT Int. Appl., 17 pp.

CODEN: PIXXD2

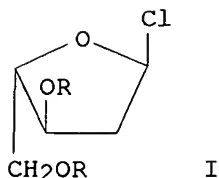
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005044832	A1	20050519	WO 2004-EP52900	20041110
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2545437	A1	20050519	CA 2004-2545437	20041110
EP 1699805	A1	20060913	EP 2004-818161	20041110
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
CN 1878782	A	20061213	CN 2004-80033026	20041110
JP 2007510696	T	20070426	JP 2006-538856	20041110
US 2007083041	A1	20070412	US 2006-578800	20060509
PRIORITY APPLN. INFO.:			IT 2003-FI288	A 20031110
			WO 2004-EP52900	W 20041110
OTHER SOURCE(S):		CASREACT 142:463961; MARPAT 142:463961		
GI				



AB Herein described is a process for the preparation of 1-chloro-3,5-di-O-acyl-2-deoxy-L-ribofuranoside derivs. I, wherein R is acyl, useful as intermediates in processes for preparing nucleotides of the L series having antiviral activity. Thus, 1-chloro-3,5-di-O-p-chloro-benzoyl-deoxy-L-ribofuranoside was prepared from 2-deoxy-D-galactose via stereoselective chlorination reaction.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:394996 CAPLUS

DOCUMENT NUMBER: 142:429239

TITLE: Process for the preparation of galactose from milk or whey with Lactobacillaceae.

INVENTOR(S): Cipolletti, Giovanni; Manoni, Marco; Vagnoli, Luana; Giacomelli, Silvia; Biagiolini, Silvia; Pratesi, Cristina; Camici, Lucia

PATENT ASSIGNEE(S): Inalco S.p.A., Italy

SOURCE: PCT Int. Appl., 12 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005039299	A2	20050506	WO 2004-EP52709	20041028
WO 2005039299	A3	20050623		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2543862	A1	20050506	CA 2004-2543862	20041028
EP 1716242	A2	20061102	EP 2004-804506	20041028
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
JP 2007515156	T	20070614	JP 2006-537306	20041028
US 2007134373	A1	20070614	US 2006-577847	20060427
PRIORITY APPLN. INFO.:				
			IT 2003-FI275	A 20031029
			WO 2004-EP52709	W 20041028

AB A process for the preparation of high purity galactose is described, comprising the inoculum, of milk or milk serum not previously subjected to any type of preliminary treatment and/or purification procedure and not containing any bactericides or bacteriostats, with nonmodified microorganisms commonly used in the dairy industry.

L1 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:141119 CAPLUS

DOCUMENT NUMBER: 142:225629

TITLE: Sulfated glycosaminoglycans derived from
N-acetylheparosan with high antithrombotic activity in
plasma

INVENTOR(S): Manoni, Marco; Salsini, Liana; Chini, Jacopo;
Cipolletti, Giovanni

PATENT ASSIGNEE(S): Inalco S.p.A., Italy

SOURCE: PCT Int. Appl., 73 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005014656	A1	20050217	WO 2004-EP51391	20040707
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004262584	A1	20050217	AU 2004-262584	20040707
CA 2534709	A1	20050217	CA 2004-2534709	20040707
EP 1654288	A1	20060510	EP 2004-766148	20040707
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR			
CN 1832966	A	20060913	CN 2004-80022307	20040707
BR 2004013346	A	20061010	BR 2004-13346	20040707
JP 2007501305	T	20070125	JP 2006-522341	20040707
US 2007042993	A1	20070222	US 2005-557584	20051115
MX 2006PA01511	A	20060515	MX 2006-PA1511	20060207
IN 2006CN00772	A	20070622	IN 2006-CN772	20060303
PRIORITY APPLN. INFO.:			IT 2003-MI1618	A 20030806
			WO 2004-EP51391	W 20040707

AB The present invention relates to a process for the preparation of sulfated glycosaminoglycans derived from N-acetylheparosan which comprises: a) N-deacetylation and N-sulfation of the N-acetylheparosan polysaccharide prepared from natural or recombinant bacterial strain, preferably K5 E. coli, b) enzymic epimerization with the glucuronyl C5-epimerase enzyme, c) partial O-sulfation followed by a partial O-desulfation, d) partial 6-O-sulfation, e) N-sulfation and an intermediate step of controlled depolymn. characterized by the fact that both O-sulfations (O-sulfation

and 60-sulfation) are partial. Furthermore the invention relates to the products obtained according to the process which show a ratio between the anti-Xa activity and anti-IIa activity equal to or higher than 1 and to compns. comprising said products in combination with suitable and pharmaceutically acceptable excipients and/or diluent.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:652670 CAPLUS

DOCUMENT NUMBER: 141:157383

TITLE: Process for the preparation of ribofuranose derivatives from 2-C-methyl-D-ribose-1,4-lactone via regioselective benzylation and borohydride reduction as synthons for nucleotides

INVENTOR(S): Tamerlani, Giancarlo; Salsini, Liana; Lombardi, Ilaria; Bartalucci, Debora; Cipolletti, Giovanni

PATENT ASSIGNEE(S): Inalco S.P.A., Italy

SOURCE: U.S. Pat. Appl. Publ., 12 pp.

CODEN: USXXCO

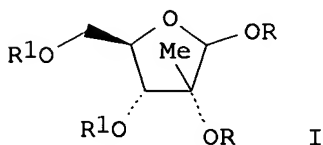
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004158059	A1	20040812	US 2003-447167	20030527
US 6891036	B2	20050510		
WO 2004069851	A1	20040819	WO 2004-EP1151	20040209
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1631573	A1	20060308	EP 2004-709221	20040209
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, SK				
CN 1747961	A	20060315	CN 2004-80003778	20040209
PRIORITY APPLN. INFO.:			IT 2003-FI33	A 20030210
			WO 2004-EP1151	W 20040209
OTHER SOURCE(S):			CASREACT 141:157383; MARPAT 141:157383	
GI				



AB The present invention relates to a new process in 3 steps of

regioselective acylation of 2-C-methyl-D-ribose-1,4-lactone, borohydride reduction, and anomeric acylation for the preparation of tetra-acyl ribofuranose derivs. I, wherein R and R1 are independently acyl groups chosen between C1-C6 alkanoyl and C7-C13 aroyl groups, useful as synthons in synthesis of nucleotides. Thus, regioselective benzoylation of 2-C-methyl-D-ribose-1,4-lactone with benzoyl chloride gave 3,5-di-O-benzoyl-2-C-methyl-D-ribose-1,4-lactone in 70 % yield. Reduction of 3,5-di-O-benzoyl-2-C-methyl-D-ribose-1,4-lactone with NaBH4 gave 3,5-di-O-benzoyl-2-C-methyl-D-ribofuranose in 75 % yield. Benzoylation of 3,5-di-O-benzoyl-2-C-methyl-D-ribofuranose gave title 1,2,3,5-tetra-O-benzoyl-2-C-methyl-D-ribofuranose in 70% yield.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:991164 CAPLUS

DOCUMENT NUMBER: 140:23239

TITLE: O-Sulfated bacterial polysaccharides and their use

INVENTOR(S): Manoni, Marco; Miletti, Sandro; Cipolletti, Giovanni; Abbate, Rosanna; Gori, Maria Anna

PATENT ASSIGNEE(S): Inalco S.P.A., Italy

SOURCE: U.S. Pat. Appl. Publ., 17 pp., nones

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003232785	A1	20031218	US 2003-347992	20030121
US 6900311	B2	20050531		
IT 2002MI1294	A1	20031212	IT 2002-MI1294	20020612
CA 2489293	A1	20031224	CA 2003-2489293	20030612
WO 2003106503	A1	20031224	WO 2003-EP6164	20030612
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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AU 2003242681	A1	20031231	AU 2003-242681	20030612
EP 1521778	A1	20050413	EP 2003-759939	20030612
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2005234014	A1	20051020	US 2005-131636	20050517
PRIORITY APPLN. INFO.:			IT 2002-MI1294	A 20020612
			US 2003-347992	A1 20030121
			WO 2003-EP6164	W 20030612

AB The present invention refers to the preparation of O-sulfated, N-sulfated or N-acetylated derivs., both epimerized or non epimerized, of K5, K4, and optionally defructosylated K4 and K40 polysaccharides from Escherichia coli and to their use as antiinflammatory agents in chronic and acute

inflammations. These compds., and in particular O-sulfated, N-acetylated K5 (K5-OSNAc) and O-sulfated, N-sulfated epimerized K5 (K5OSNS epi) obtained according to the present invention show a specific activity on the main cytokines involved in the inflammatory processes inhibiting especially the production of Tumor necrosis factor alpha, interleukin 1 beta and interleukin 6.

REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:730838 CAPLUS

DOCUMENT NUMBER: 135:267246

TITLE: Glycosaminoglycans derived from the k5 polysaccharide having high anticoagulant and antithrombotic activity and process for their preparation

INVENTOR(S): Zoppetti, Giorgio; Oreste, Pasqua; Cipolletti, Giovanni

PATENT ASSIGNEE(S): Inalco S.p.A., Italy

SOURCE: PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001072848	A1	20011004	WO 2001-EP3461	20010327
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
IT 2000MI0665	A1	20011001	IT 2000-MI665	20000330
IT 1318432	B1	20030825		
CA 2404478	A1	20011004	CA 2001-2404478	20010327
EP 1268559	A1	20030102	EP 2001-919396	20010327
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2003528945	T	20030930	JP 2001-571779	20010327
RU 2283319	C2	20060910	RU 2002-129018	20010327
US 2004146994	A1	20040729	US 2002-240606	20021221
US 2006281152	A1	20061214	US 2006-440749	20060524
PRIORITY APPLN. INFO.:			IT 2000-MI665	A 20000330
			WO 2001-EP3461	W 20010327
			US 2002-240606	A1 20021221

AB Glycosaminoglycans derived from the K5 polysaccharide having high anticoagulant and antithrombotic activity obtained by a process comprising the preparation of the K5 polysaccharide from Escherichia coli, N-deacetylation/N-sulfation, C-5 epimerization, supersulfation, selective O-desulfation, selective 6-O sulfation and N-sulfation, wherein said epimerization is carried out using the glucuronosyl C-5 epimerase enzyme in solution or in immobilized form in presence of specific divalent cations.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:31672 CAPLUS

DOCUMENT NUMBER: 134:85171

TITLE: Process for the preparation of the polysaccharides k4 and k5 from Escherichia coli

INVENTOR(S): Petrucci, Franco; Zoppetti, Giorgio; Oreste, Pasqua; Cipolletti, Giovanni

PATENT ASSIGNEE(S): Inalco S.p.A., Italy

SOURCE: PCT Int. Appl., 30 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001002597	A1	20010111	WO 2000-EP6122	20000630
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
IT 99MI1465	A1	20010102	IT 1999-MI1465	19990702
PRIORITY APPLN. INFO.:			IT 1999-MI1465	A 19990702

AB A process is provided for the preparation of the polysaccharides K4 and K5 by fermentation of Escherichia coli on a medium composed of defatted soya flour, mineral salts and glucose, or of the dialyzed portion of yeast autolyzate, mineral salts and glucose. Following fermentation, the polysaccharides were purified from fermentation broth by a process which included centrifugation, ultrafiltration, ethanol precipitation, diafiltration and ion exchange chromatog.

Thus, 820 mg/L of K5 and 420 mg/L of K4 were obtained from batch fermns. on a defatted soya flour medium.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:641009 CAPLUS

DOCUMENT NUMBER: 131:243537

TITLE: Indole derivatives suitable to be used as chromogenic compounds

INVENTOR(S): Zoppetti, Giorgio; Oreste, Pasqua; Cipolletti, Giovanni; Tamerlani, Giancarlo

PATENT ASSIGNEE(S): Inalco S.p.A., Italy

SOURCE: PCT Int. Appl., 27 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9950438	A2	19991007	WO 1999-EP2174	19990330
WO 9950438	A3	19991125		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
IT 1298965	B1	20000207	IT 1998-MI664	19980330
AU 9936024	A	19991018	AU 1999-36024	19990330
PRIORITY APPLN. INFO.:			IT 1998-MI664	A 19980330
			WO 1999-EP2174	W 19990330

AB The present invention refers to indole derivs. suitable to be used as chromogenic compds. in free form or in complexed form with cyclodextrins or with cyclodextrin derivs., usable in the diagnostic, microbiol., mol.-biol. field and similar ones. Thus, 6-bromo-3-indolyl- β -D-glucuronide cyclohexyl ammonium salt was prepared and its chromogenic property of the inclusion complex with β -cyclodextrin are reported.

L1 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1998:709086 CAPLUS

DOCUMENT NUMBER: 129:290371

TITLE: Manufacture of lactulose syrup by isomerization of lactose

INVENTOR(S): Carobbi, Renato; Bimbi, Giuseppe; Cipolletti, Giovanni

PATENT ASSIGNEE(S): Inalco S.p.A., Italy

SOURCE: PCT Int. Appl., 17 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9847908	A1	19981029	WO 1998-EP2245	19980417
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2286985	A1	19981029	CA 1998-2286985	19980417
CA 2286985	C	20070327		
AU 9875266	A	19981113	AU 1998-75266	19980417
EP 975646	A1	20000202	EP 1998-922729	19980417
EP 975646	B1	20030806		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, IE, SI, FI				

JP 2002513413	T	20020508	JP 1998-544979	19980417
AT 246699	T	20030815	AT 1998-922729	19980417
US 6214124	B1	20010410	US 1999-402768	19991011
PRIORITY APPLN. INFO.:			IT 1997-MI889	A 19970417
			WO 1998-EP2245	W 19980417

AB Lactose is isomerized to lactulose by contacting an aqueous solution or suspension of lactose with Na aluminate and neutralizing the resulting mixture with gaseous CO₂ under pressure to produce a suspension of aluminum hydroxide which is easily separated from the lactulose solution by filtration. The solid is converted with NaHCO₃ to Na aluminate and calcined at 750° to give reconverted Na aluminate. The mother liquor is deionized by passing through an ion exchanger, concentrated at 40° and reduced pressure and cooled to 8-10° for 120-125 h to crystallize residual lactose which is separated by centrifugation to give a title syrup.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1998:672593 CAPLUS

DOCUMENT NUMBER: 129:261971

TITLE: Glycosaminoglycans having high antithrombotic activity

INVENTOR(S): Casu, Benito; Naggi, Annamaria; Torri, Giangiacomo

PATENT ASSIGNEE(S): Inalco S.p.A., Italy

SOURCE: PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
WO 9842754	A2	19981001	WO 1998-EP1714	19980324
WO 9842754	A3	19981223		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2285383	A1	19981001	CA 1998-2285383	19980324
CA 2285383	C	20060926		
AU 9870405	A	19981020	AU 1998-70405	19980324
EP 970130	A2	20000112	EP 1998-917065	19980324
EP 970130	B1	20020710		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI				
JP 2001518133	T	20011009	JP 1998-544883	19980324
AT 220410	T	20020715	AT 1998-917065	19980324
ES 2180161	T3	20030201	ES 1998-917065	19980324
US 6197943	B1	20010306	US 1999-381451	19990920
PRIORITY APPLN. INFO.:			IT 1997-MI678	A 19970324
			WO 1998-EP1714	W 19980324

AB Glycosaminoglycans having high antithrombotic activity in vitro, are obtained by various kinds of glycosaminoglycans supersulfated by the preparation of the salt of an organic base of the starting supersulfated

glycosaminoglycan, by partial solvolytic desulfation of said salt and N-resulfation of said partially desulfated product.

L1 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1998:550445 CAPLUS

DOCUMENT NUMBER: 129:177144

TITLE: O-Sulfated bacterial polysaccharides

INVENTOR(S): Zoppetti, Giorgio; Oreste, Pasqua; Cipolletti, Giovanni

PATENT ASSIGNEE(S): Inalco S.p.A., Italy

SOURCE: PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
WO 9834958	A1	19980813	WO 1998-EP598	19980204
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2279317	A1	19980813	CA 1998-2279317	19980204
CA 2279317	C	20060926		
AU 9863943	A	19980826	AU 1998-63943	19980204
AU 723168	B2	20000817		
EP 958307	A1	19991124	EP 1998-909387	19980204
EP 958307	B1	20020102		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
NZ 337399	A	20000128	NZ 1998-337399	19980204
JP 2001510502	T	20010731	JP 1998-533750	19980204
AT 211488	T	20020115	AT 1998-909387	19980204
PT 958307	T	20020628	PT 1998-909387	19980204
ES 2169503	T3	20020701	ES 1998-909387	19980204
US 6288044	B1	20010911	US 1999-355211	19990723
PRIORITY APPLN. INFO.:			IT 1997-MI252	A 19970207
			WO 1998-EP598	W 19980204
AB	A process is disclosed for the preparation of O-sulfated K4, K5 and K40 polysaccharides useful for the treatment of tumoral, HIV-1 and coagulation pathologies and in cosmetic preps., wherein the K4, K5 or K40 polysaccharide in the form of sodium salt is suspended in an aprotic solvent and directly submitted to the reaction of O-sulfation with a pyridine-sulfur trioxide or trimethylamine-sulfur trioxide adduct or with chlorosulfonic acid.			
REFERENCE COUNT:	3	THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L1 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:757036 CAPLUS

DOCUMENT NUMBER: 128:39636

TITLE: Derivatives of K5 polysaccharide having high anticoagulant activity

INVENTOR(S): Zoppetti, Giorgio; Oreste, Pasqua; Cipolletti, Giovanni

PATENT ASSIGNEE(S): Inalco S.P.A., Italy

SOURCE: PCT Int. Appl., 22 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9743317	A1	19971120	WO 1997-EP2379	19970509
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU				
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2253833	A1	19971120	CA 1997-2253833	19970509
CA 2253833	C	20060627		
AU 9730265	A	19971205	AU 1997-30265	19970509
EP 897393	A1	19990224	EP 1997-924941	19970509
EP 897393	B1	20011205		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI				
AT 210154	T	20011215	AT 1997-924941	19970509
ES 2167748	T3	20020516	ES 1997-924941	19970509
US 6162797	A	20001219	US 1998-180406	19981106
PRIORITY APPLN. INFO.:			IT 1996-MI956	A 19960510
			WO 1997-EP2379	W 19970509

AB Derivs. of the K5 polysaccharide having high anticoagulant activity obtained by a process comprising the N-deacetylation of the K5 polysaccharide followed by N-sulfation, epimerization, O-sulfation and N-resulfation.

L1 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1996:464356 CAPLUS

DOCUMENT NUMBER: 125:115073

TITLE: Process for the preparation of iduronic acid-containing polysaccharides as anticoagulants and antithrombotics

INVENTOR(S): Zoppetti, Giorgio; Oreste, Pasqua; Cipolletti, Giovanni

PATENT ASSIGNEE(S): Inalco S.P.A., Italy

SOURCE: PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9614425	A1	19960517	WO 1995-EP4241	19951030

W: AL, AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, RO, RU, SD, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN
 RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

CA 2204366	A1	19960517	CA 1995-2204366	19951030
AU 9539261	A	19960531	AU 1995-39261	19951030
EP 789777	A1	19970820	EP 1995-937026	19951030
EP 789777	B1	20000809		

R: AT, CH, DE, DK, ES, FR, GB, IE, IT, LI, NL, PT, SE

CN 1162339	A	19971015	CN 1995-196040	19951030
CN 1094977	B	20021127		
JP 10508204	T	19980818	JP 1996-515019	19951030
JP 3640259	B2	20050420		
AT 195348	T	20000815	AT 1995-937026	19951030
ES 2150589	T3	20001201	ES 1995-937026	19951030
PT 789777	T	20010131	PT 1995-937026	19951030
US 5958899	A	19990928	US 1996-628690	19960412

PRIORITY APPLN. INFO.: IT 1994-MI2240 A 19941104
 WO 1995-EP4241 W 19951030

AB Process for the preparation of polysaccharides having a high iduronic acid content comprising: (a) N-deacetylation of the polysaccharide K5 from Escherichia coli or of the heparan sulfate or O-desulfation of heparin or heparan sulfate; (b) N-sulfation of the product obtained from the stage (a); (c) epimerization in presence of the C5 epimerase enzyme; (d) sulfation of at least some free hydroxy groups, wherein the stage (c) is carried out in a reaction medium constituted by a classical buffer solution formed by HEPES, potassium chloride, EDTA and TRITON X-100 to which a suitable additive is added.

L1 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:459466 CAPLUS
 DOCUMENT NUMBER: 122:197077
 TITLE: Process for the preparation of crystalline lactulose from commercial syrups
 INVENTOR(S): Bimbi, Giuseppe
 PATENT ASSIGNEE(S): Inalco S.p.A., Italy
 SOURCE: Eur. Pat. Appl., 9 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 622374	A1	19941102	EP 1994-106188	19940421
EP 622374	B1	19971203		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
US 5480491	A	19960102	US 1994-229559	19940418
AT 160781	T	19971215	AT 1994-106188	19940421
CA 2121954	A1	19941029	CA 1994-2121954	19940422
CA 2121954	C	20040622		
JP 06319600	A	19941122	JP 1994-88434	19940426
JP 3589357	B2	20041117		

PRIORITY APPLN. INFO.: IT 1993-MI833 A 19930428

AB A process for preparation of crystalline lactulose with $\geq 98.5\%$ purity is based on evaporation of com. lactulose aqueous syrups at 50-60° and at a pressure of 2660-6650 Pa to a sugar concentration of 70-80 Brix, cooling to 5-20°, and adding crystalline lactulose trihydrate (5-30 parts) as a crystallization initiator. The com. lactulose syrups have the following composition:
50-70% by weight of lactulose, 3-9% by weight of lactose, 3-14% by weight of galactose, and 4-7% by weight of other carbohydrates.

L1 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1991:473896 CAPLUS
DOCUMENT NUMBER: 115:73896
TITLE: Boron resins as highly selective absorbents for purification of lactulose
INVENTOR(S): Carobbi, Renato; Innocenti, Franco
PATENT ASSIGNEE(S): Inalco S.p.A., Italy
SOURCE: U.S., 7 pp. Cont.-in-part of U.S. 4,937,295.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO. -----	KIND ----	DATE -----	APPLICATION NO. -----	DATE -----
US 5002613	A	19910326	US 1990-527886	19900524
US 4937295	A	19900626	US 1988-171436	19880321
PRIORITY APPLN. INFO.:			IT 1987-19966	A 19870403
			US 1988-171436	A2 19880321

AB The resins YZ1N(R1)(R2)Z2CH(OH)CH2Z3C6H4B(OH)2 [Y = acrylic polymer; R1, R2 =alkyl; X = OH, halogen; Z1 = (CH2)0-5; Z2 = (CH2)1-5; Z3 = O, S, imino] are useful in lactulose (I) purification Thus, a crosslinked polymer of 50 g Me acrylate and 2 g 1,4-divinylbenzene was condensed with dimethylethylenediamine, epichlorohydrin, and then with m-aminobenzenboronic acid to give a resin showing good absorption selectivity for I in chromatog. purification of sugar mixts.

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	50.36	50.57
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-11.70	-11.70

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